

CLAIMS

1. Electric motor with variable rotation speed comprising
  - a stator (2) connected to at least one magnetic
  - 5       excitation coil,
  - a rotor (5) on which are formed at least two magnetic poles each having opposite polarity,
  - said at least one coil being adapted to form on said stator at least two magnetic induction poles having
  - 10       opposite polarity,
  - an adjusting device (5) for said rotation speed on said rotor comprising an antijamming filter (52), characterised in that said antijamming filter comprises at least one portion of said magnetic induction coil.
- 15 2. Electric motor according to claim 1 wherein said magnetic induction coil is divided into a first portion (3a) and a second portion (3b) connected to each other in series and said adjusting device (5) is positioned between said first and said second portion.
- 20 3. Motor according to claim 2 wherein said first portion and said second portion are identical to each other.
4. Motor according to claim 1 wherein said antijamming filter (52) comprises an RC system.
- 25 5. Motor according to claim 1 wherein said adjusting device comprises a phase shutting piloting circuit.

6. Motor according to claim 1 wherein said adjusting device comprises a phase "chopper" piloting circuit.

7. Motor according to claim 1 wherein said adjusting device acts exclusively on a single part of the action  
5 windings in a single phase motor with out-of-phase condenser.

8. Motor according to claim 1 wherein said adjusting device acts exclusively on one phase in a motor having at least two phases.

10 9. Motor according to claim 1 wherein said adjusting device acts on the transformer windings.